(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 17 February 2005 (17.02.2005)

(10) International Publication Number WO 2005/014829 A2

(51) International Patent Classification?: C12Q 1/68, A01H 5/00

C12N 15/82,

(21) International Application Number:

PCT/EP2004/008405

(22) International Filing Date: 27 July 2004 (27.07.2004)

(25) Filing Language: English

(26) Publication Language: **English**

(30) Priority Data: 03017114.4

28 July 2003 (28.07.2003) EP

(71) Applicant (for all designated States except US): UNIVER-SITÄT HOHENHEIM [DE/DE]; 70593 Stuttgart (DE).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): PFITZNER, Artur [DE/DE]; Balinger Strasse 37B, 70567 Stuttgart (DE). ROTH, Bernhard [DE/DE]; Sonnenbergstrasse 98, 70184 Stuttgart (DE).
- (74) Agent: PERREY, Ralf; Müller-Boré & Partner, Grafinger Strasse 2, 81671 München (DE).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INDUCIBLE PROMOTERS FOR THE EXPRESSION OF PROTEINS IN PLANTS AND METHOD FOR DETECT-**ING THEM**

(57) Abstract: The present invention relates to nucleic acids containing selectively inducible regulatory sequences, particularly promoters, for a controlled expression of desired expression products in suitable host expression organisms such as transgenic plants. Further, the present invention relates to a method for detecting the activity of a regulatory sequence in suitable cells, wherein a transgene comprises a potential regulatory sequence operably linked to the Bax gene or a functional derivative thereof and the Bax expression correlates with the activity of the regulatory sequence in said cells.

